

Figure 1b

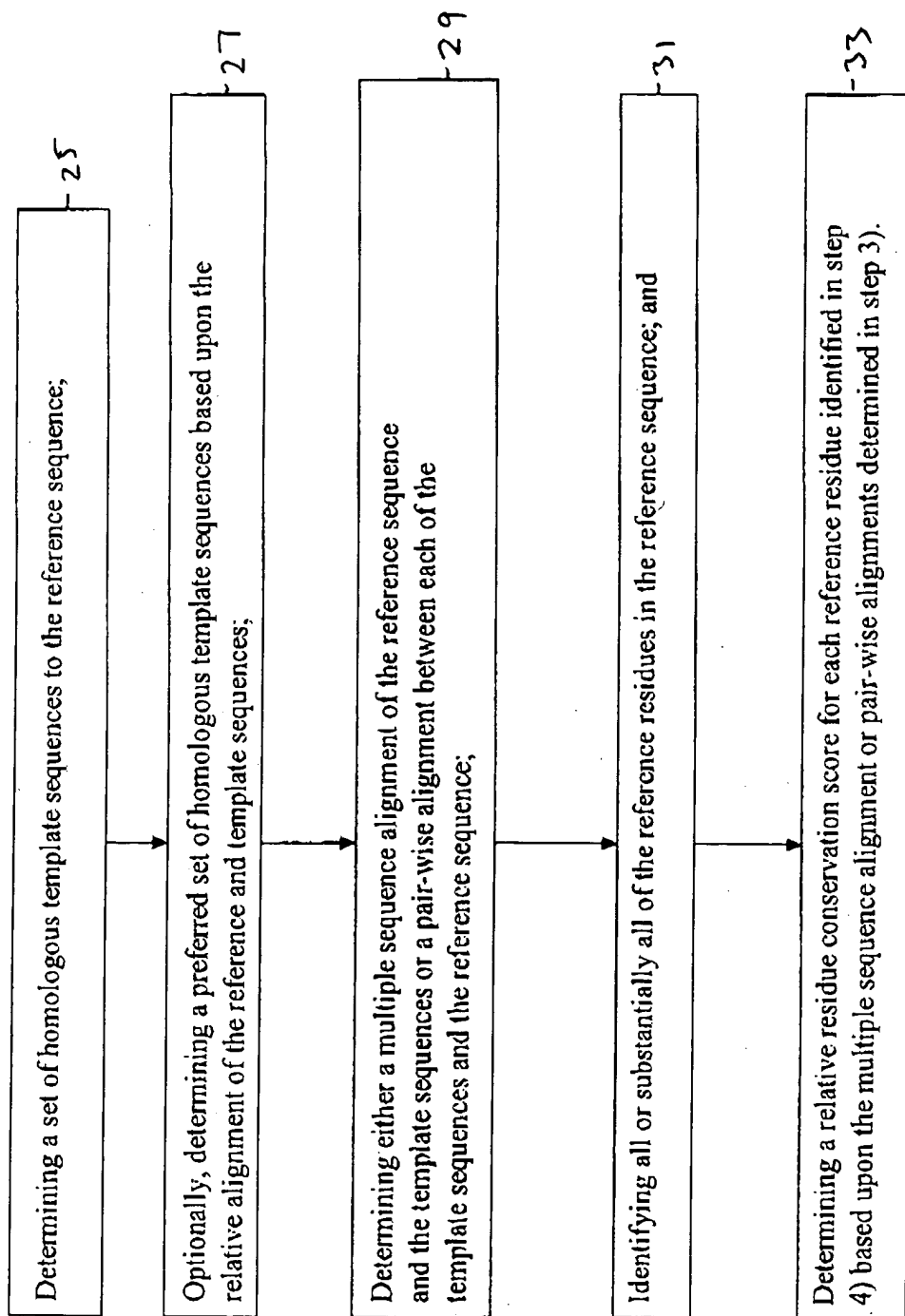
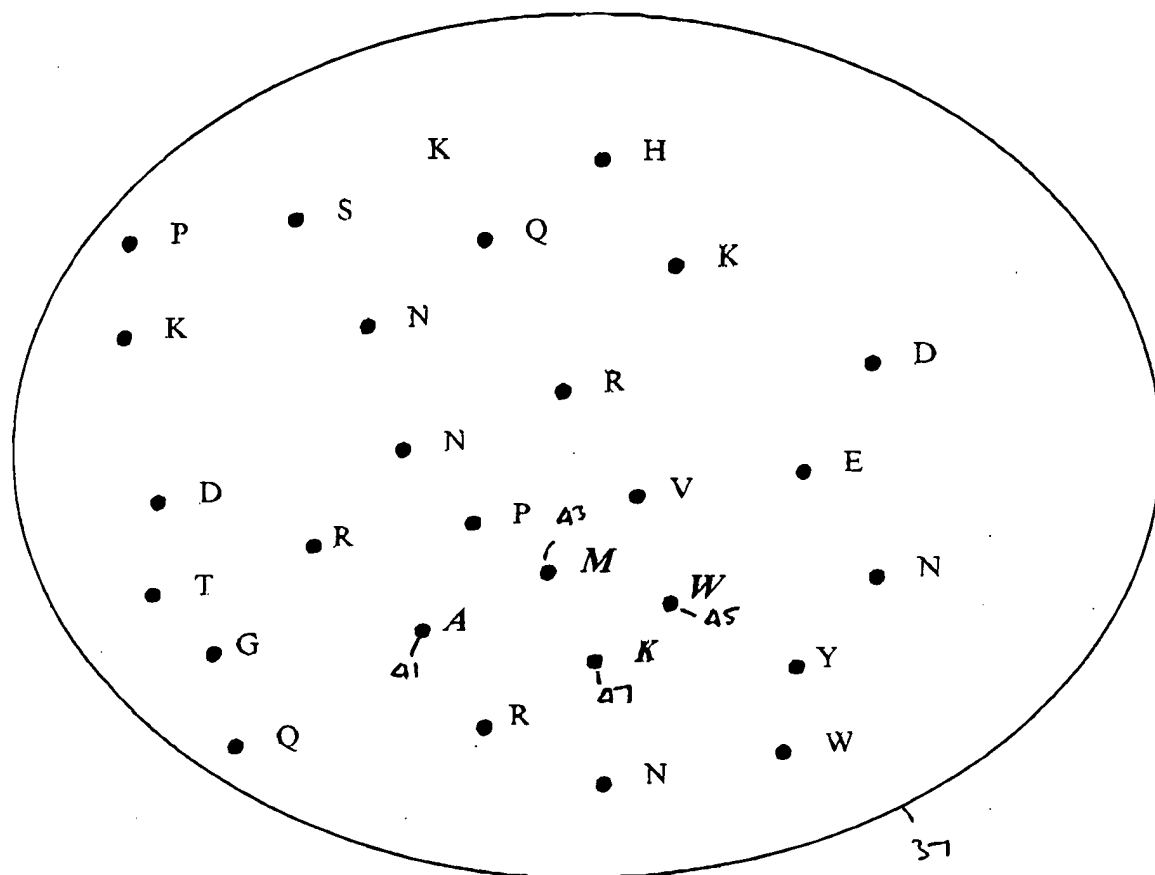


Figure 2a



	41	43		45		47	
R	V	P	R	N	Q	H	
G	V	P	K	L	T	C	
G	V	R	M	L	T	C	
K	T	P	W	R	P	C	
G	V	H	W	L	W	C	
	39						

Figure 2b

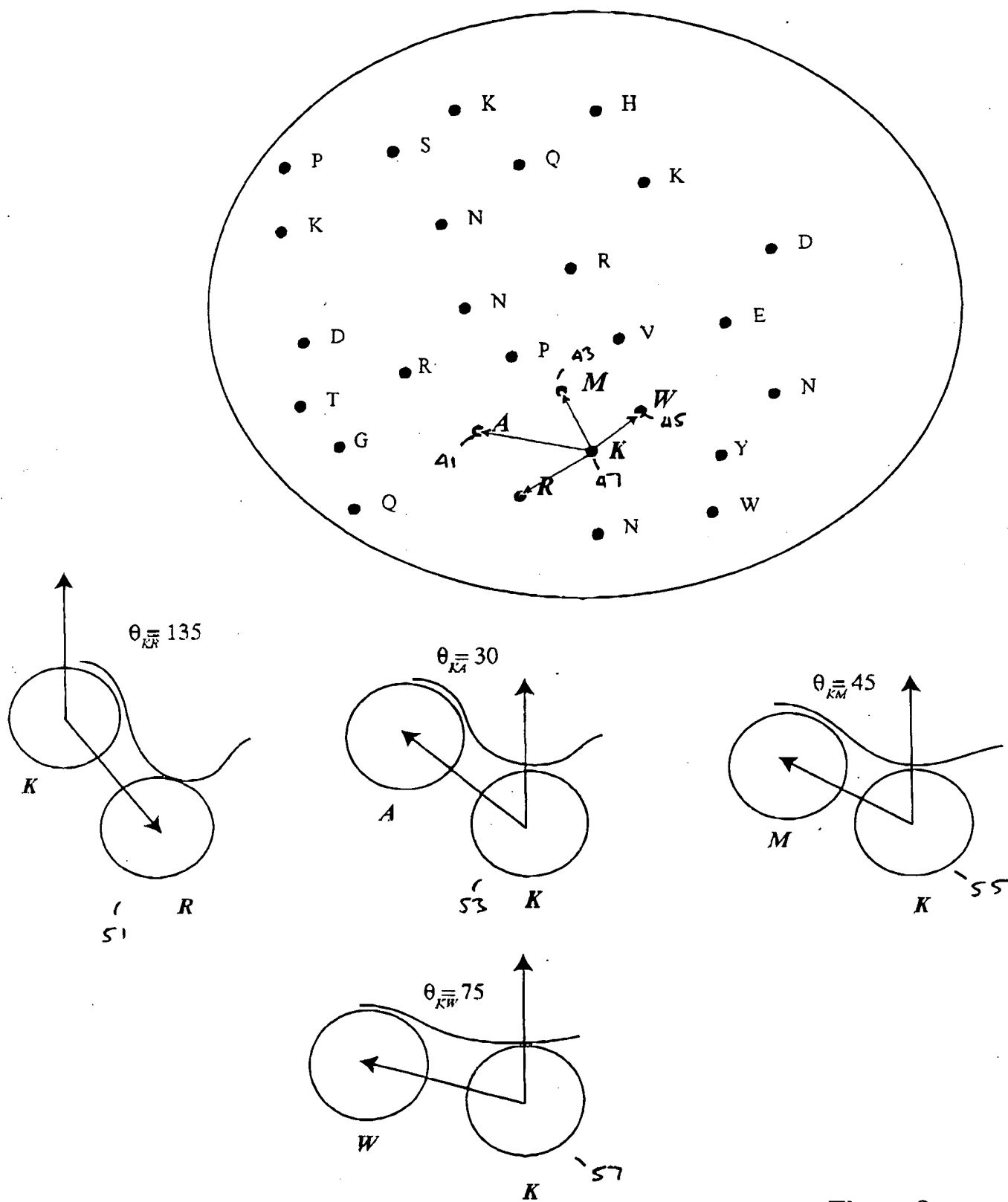


Figure 3

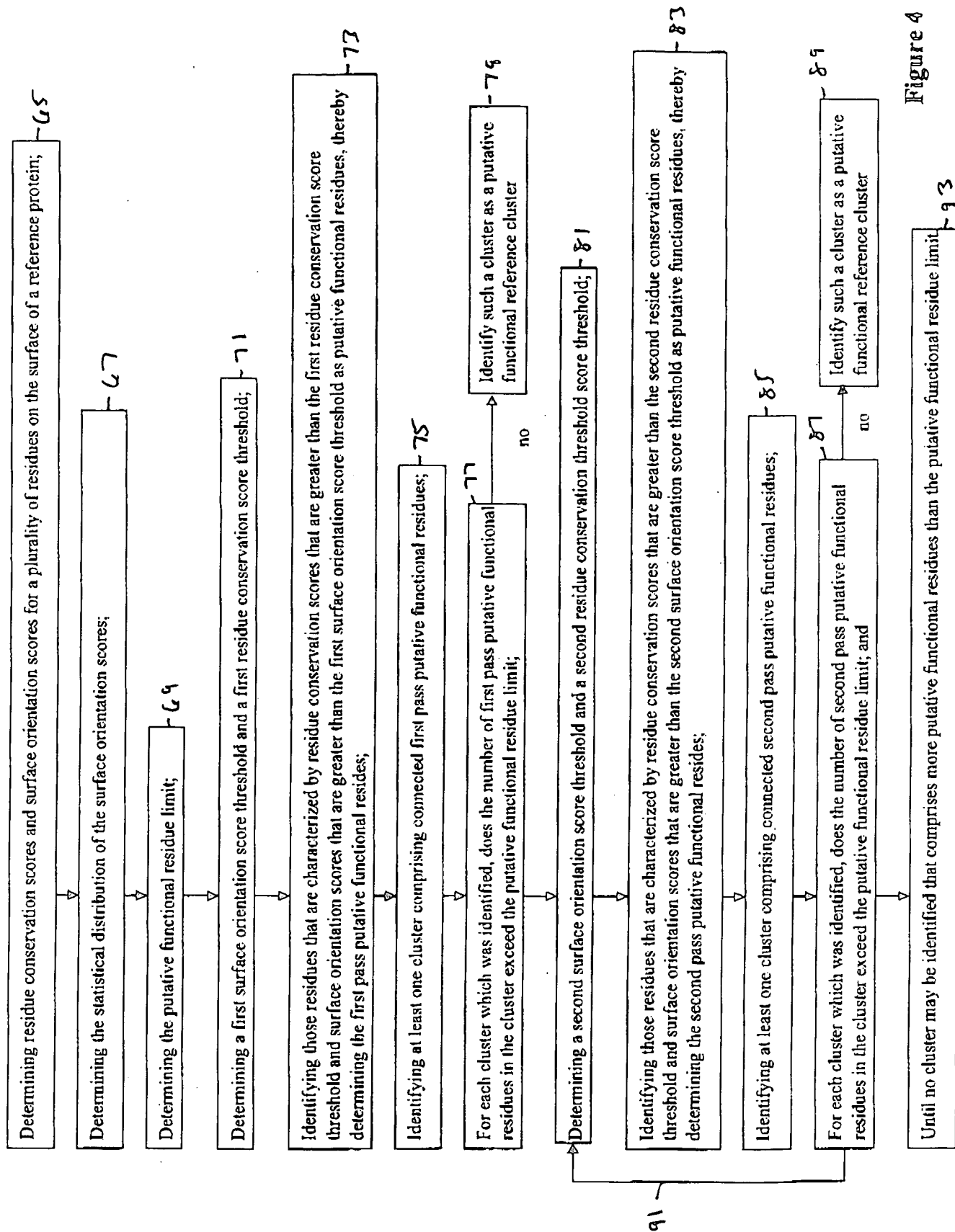


Figure 4

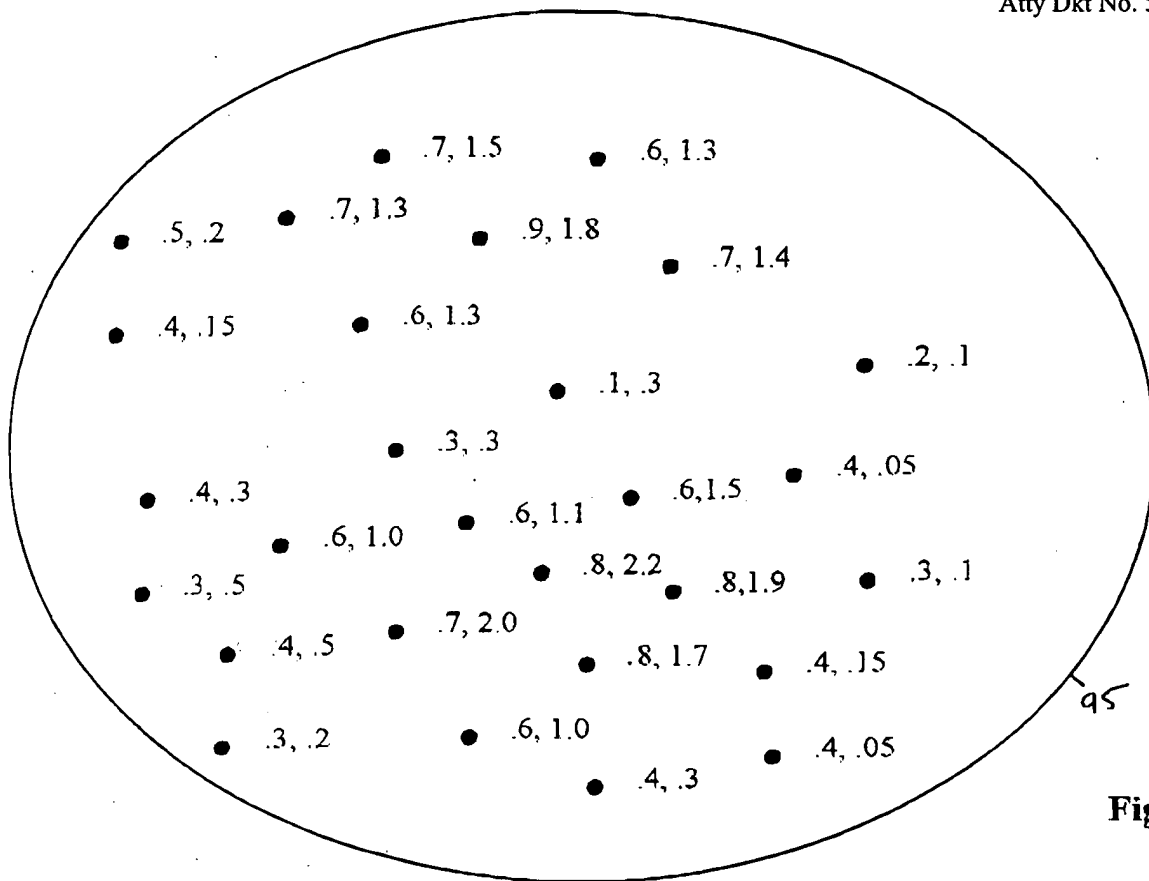


Figure 5a

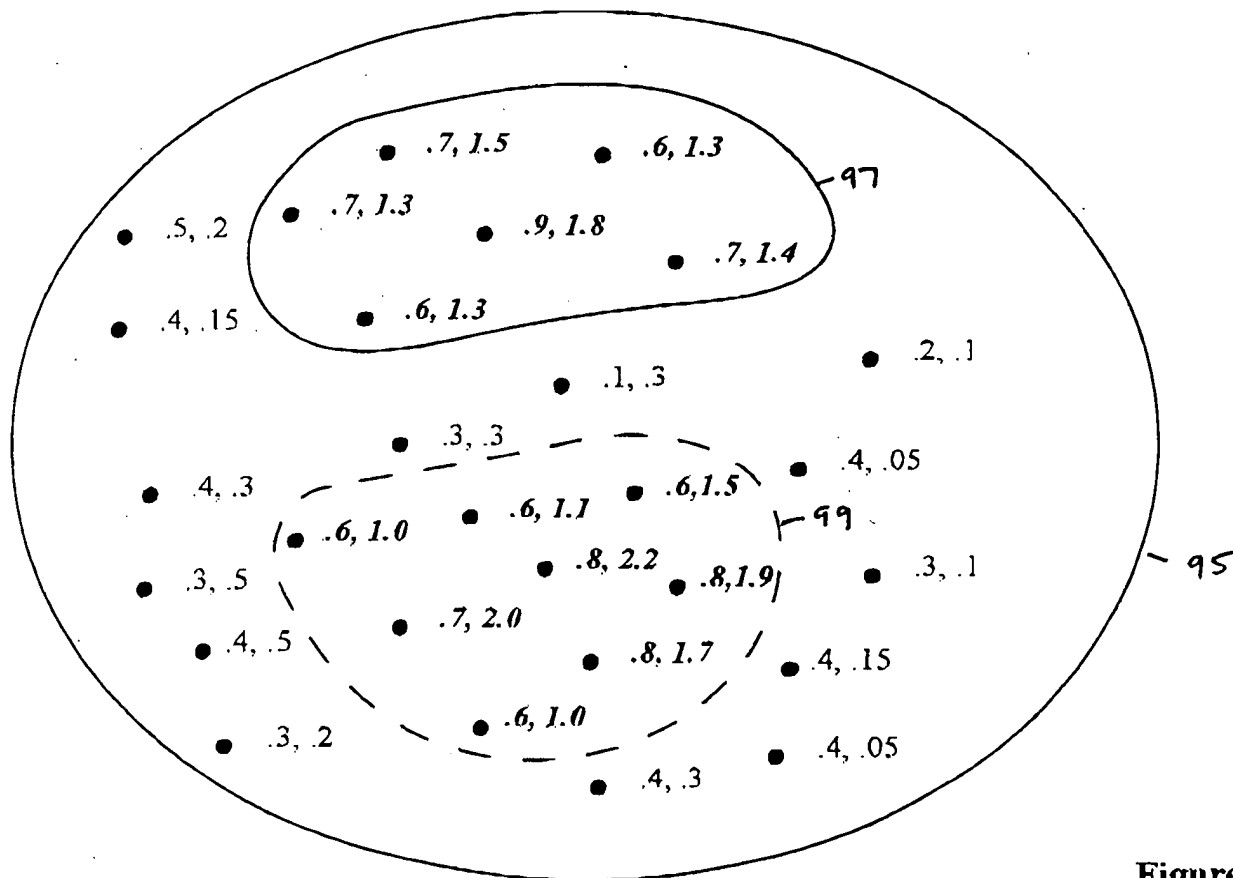


Figure 5b

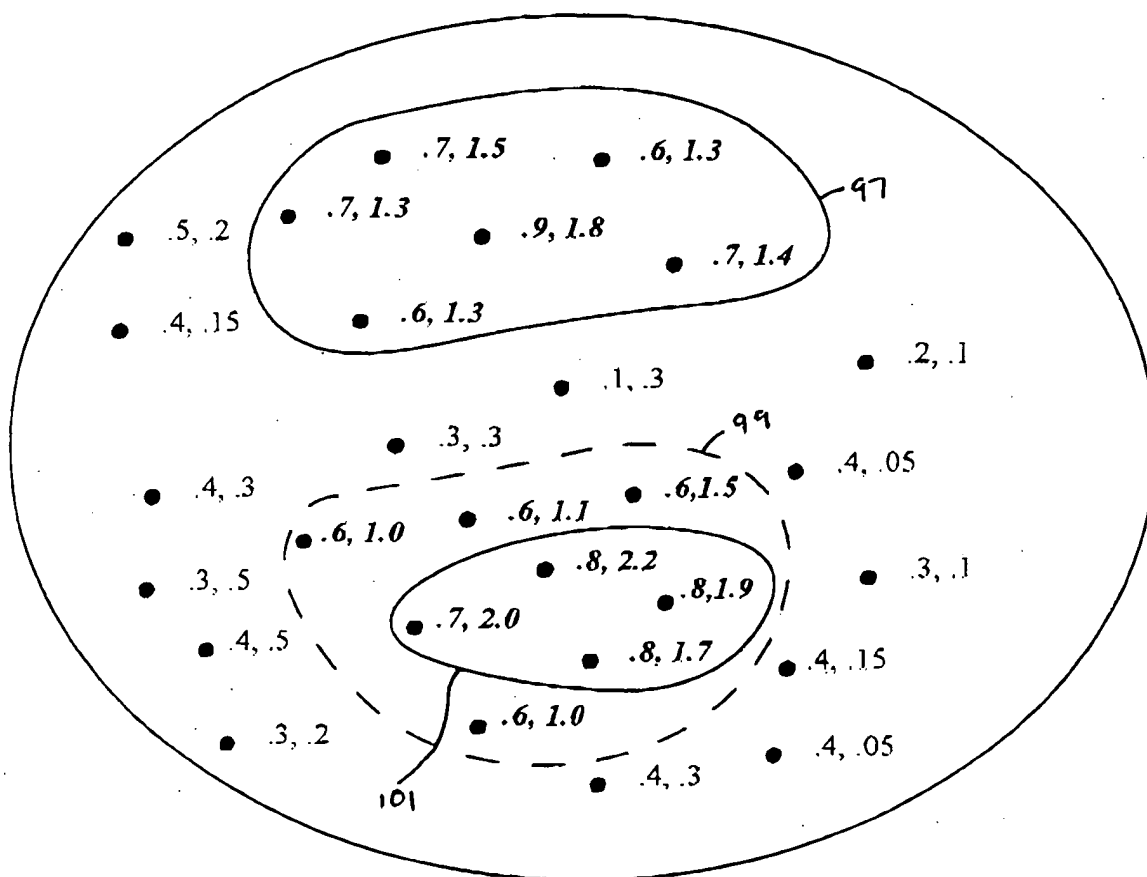


Figure 5c



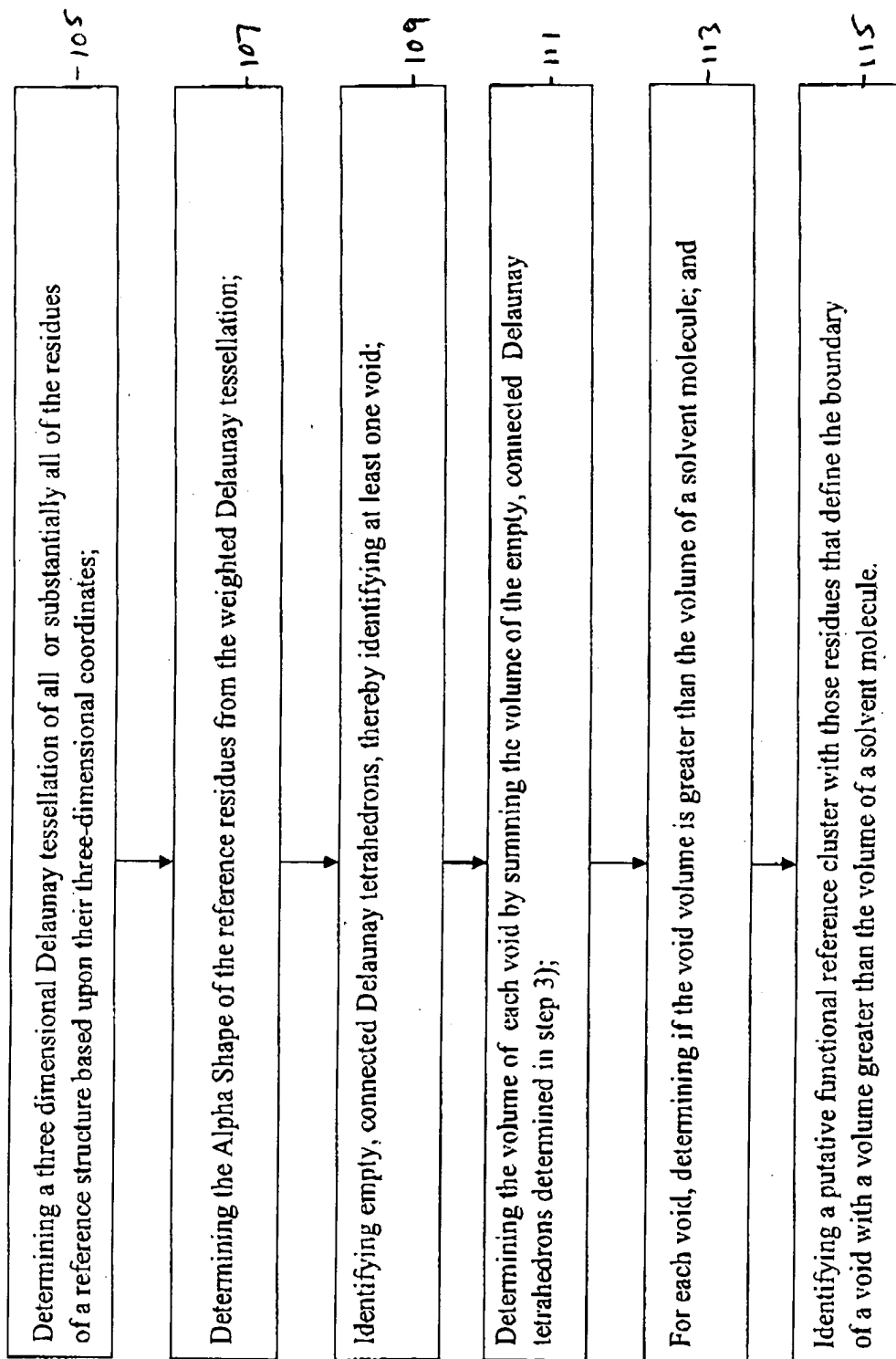


Figure 6

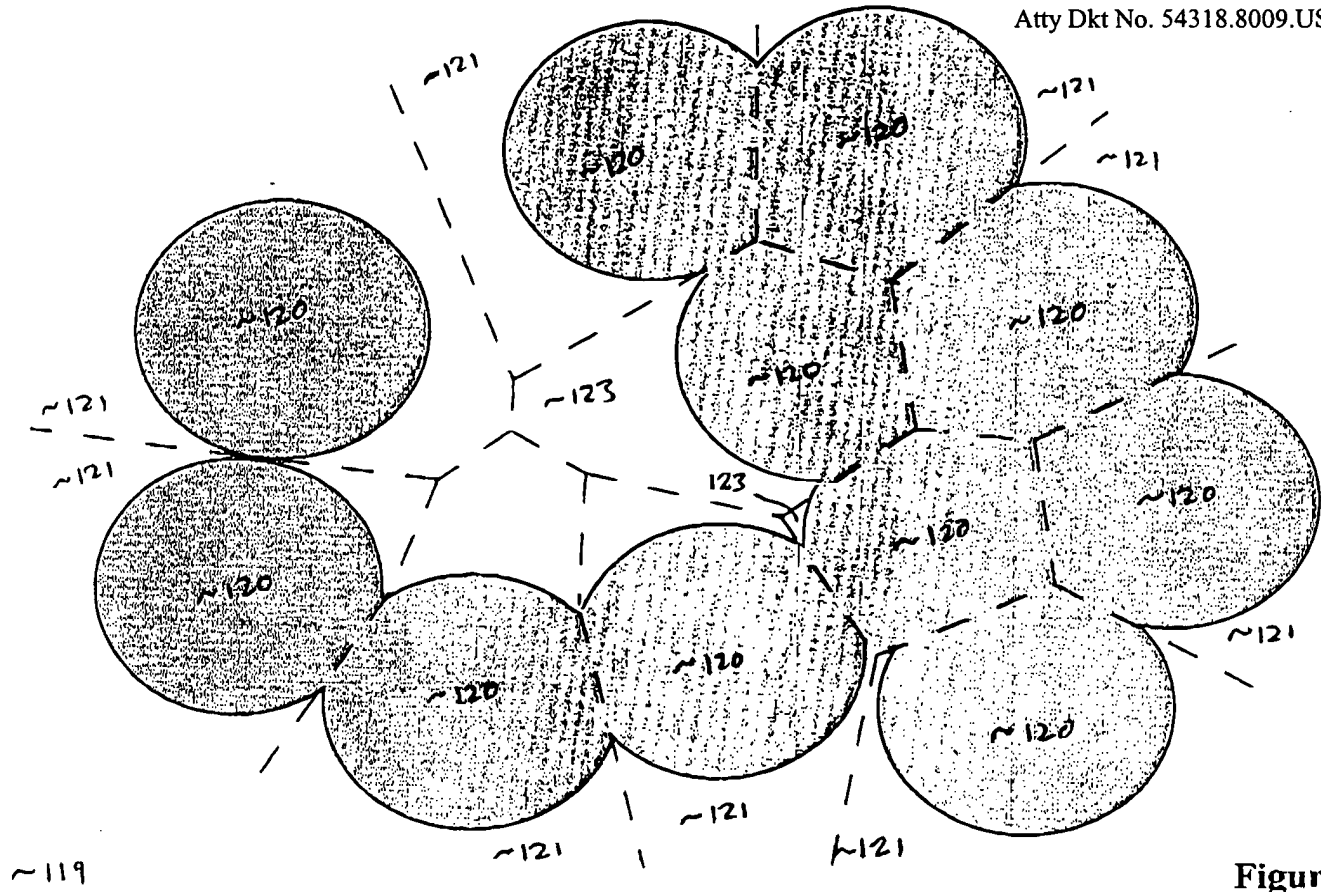


Figure 7a

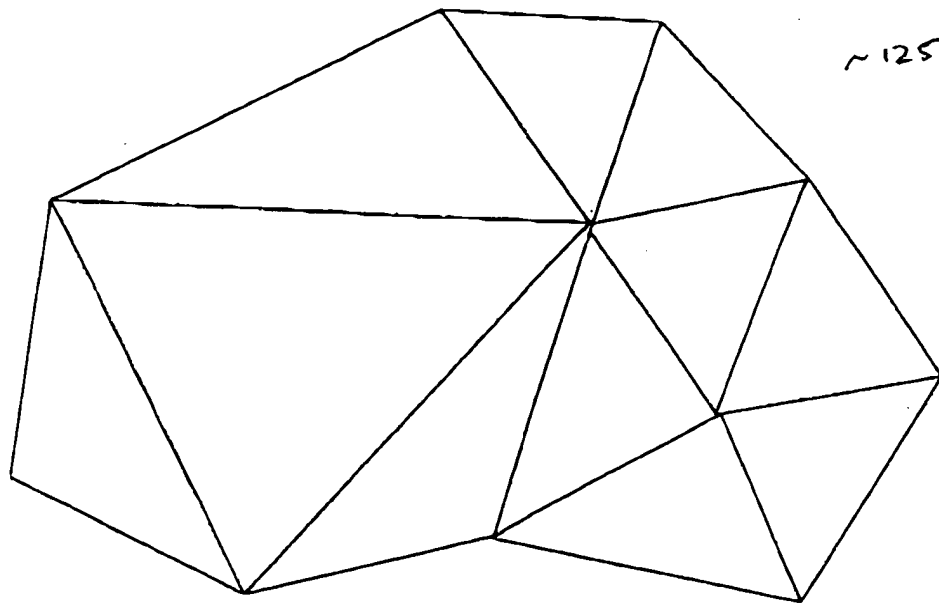


Figure 7b

BEST AVAILABLE COPY

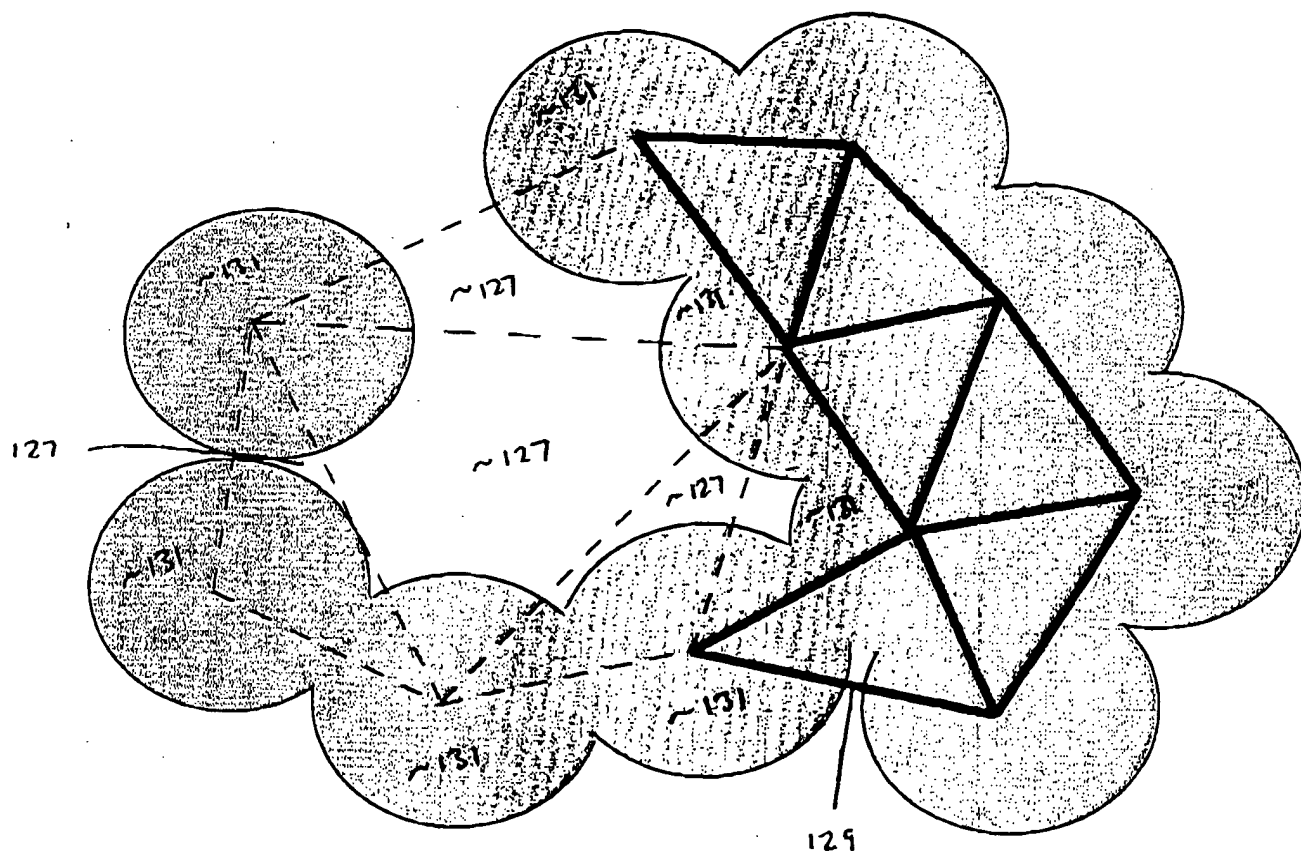


Figure 7c

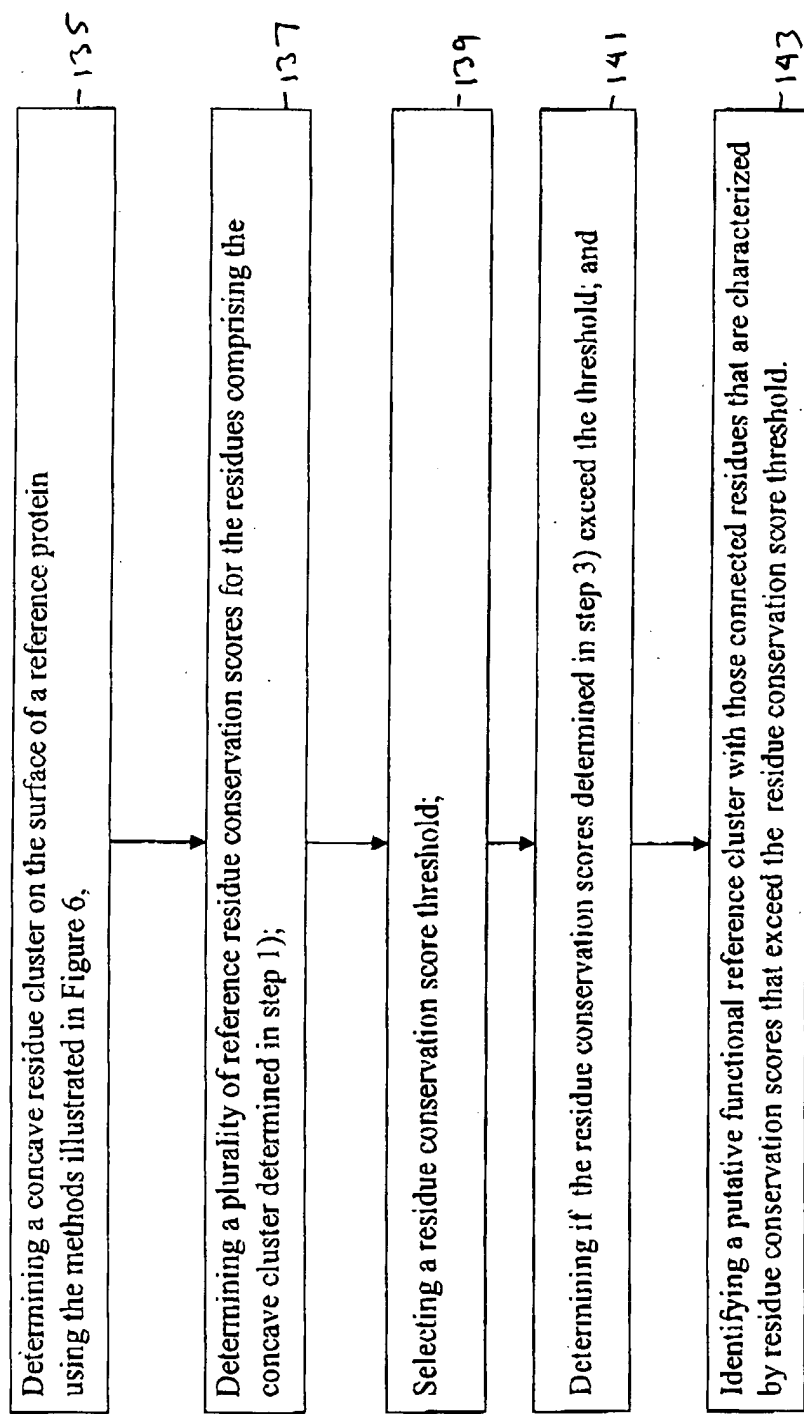
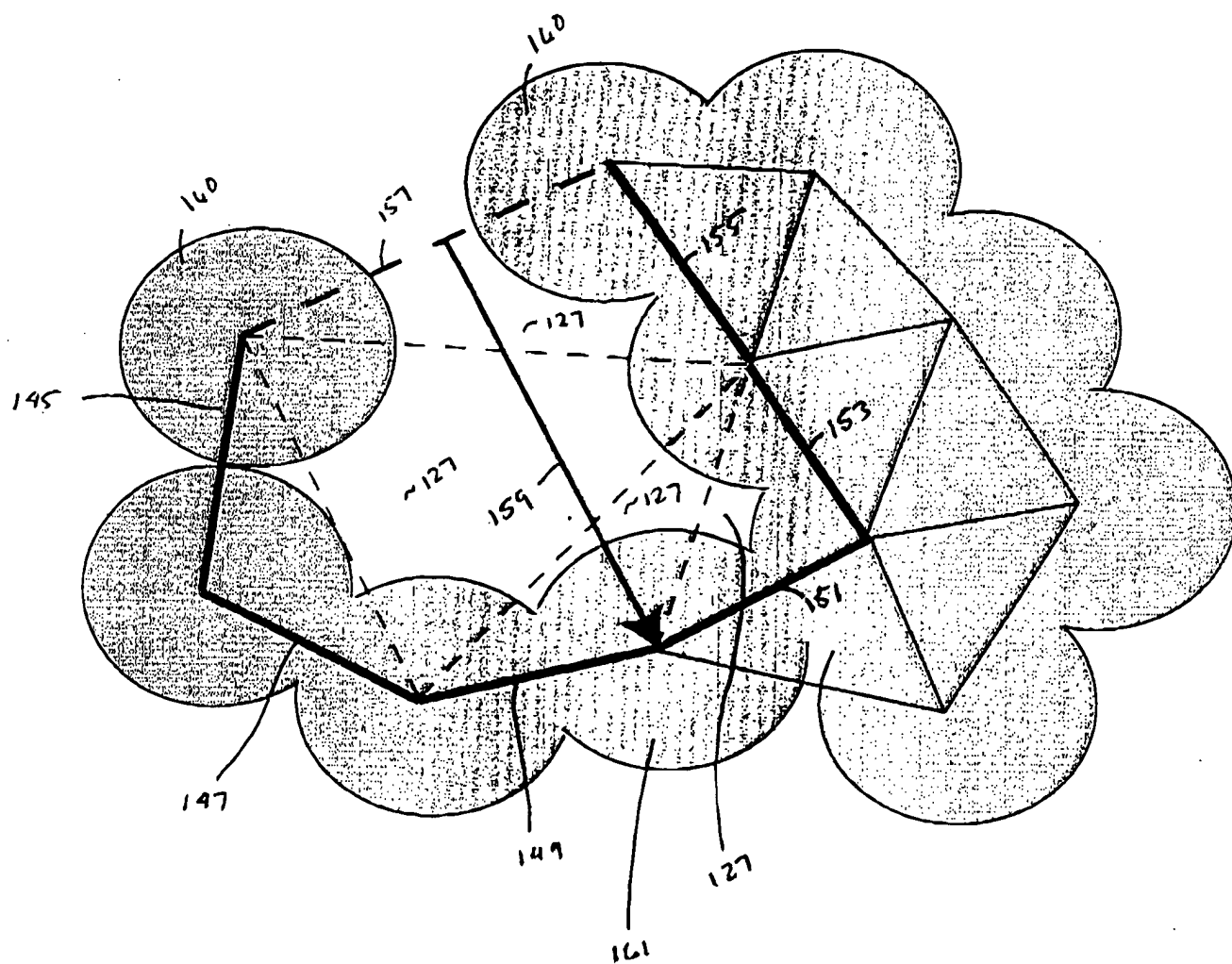


Figure 8



**Figure 9**

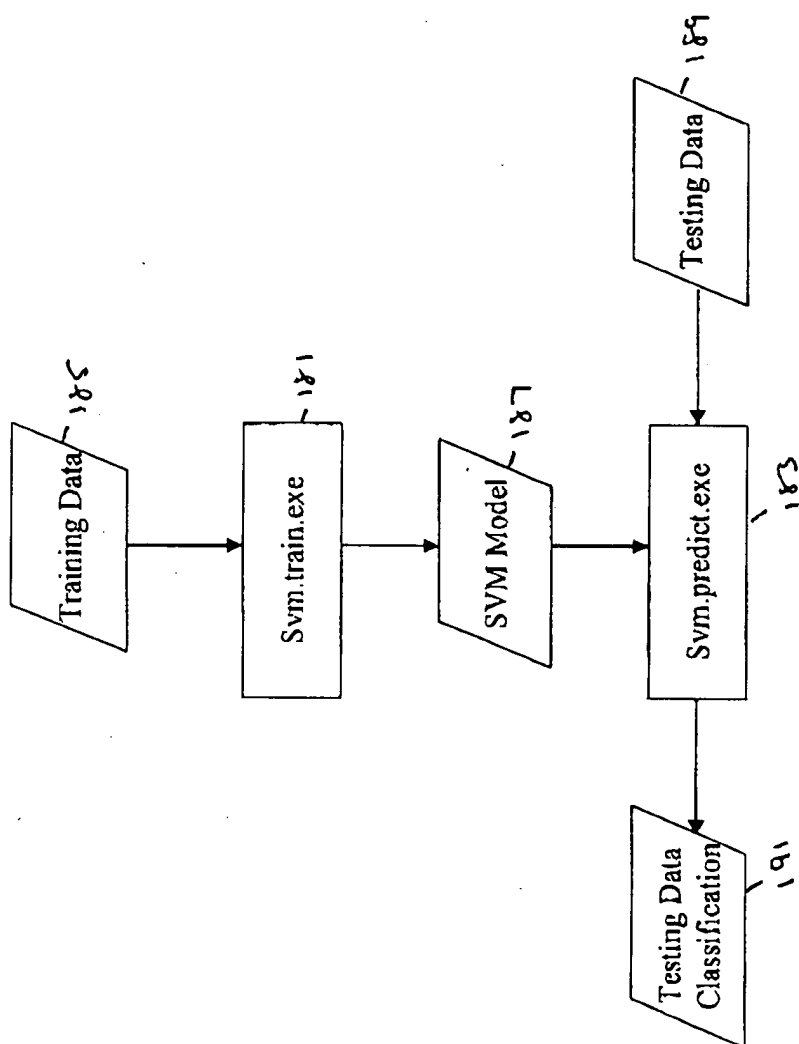


Figure 10



### Multiple Sequence Alignment of PDB:12asA Sequence with Template Sequences

gi   QUERY	AYIAKORQISFVKSHFSRQLEERLGLIEVQAPILSRVGDGTQDNLSGAEKAVQVKVKALP
gi   24115047	AYIAKQRQISFVKSHFSRQLEERLGLIEVQAPILSRVGDGTQDNLSGCEKAVQVKVKALP
gi   16762449	AYIAKQRQISFVKSHFSRQLEERLGLIEVQAPILSRVGDGTQDNLSGCEKAVQVKVKALP
gi   16767161	AYIAKQRQISFVKSHFSRQLEERLGLIEVQAPILSRVGDGTQDNLSGCEKAVQVKVKALP
gi   16120356	-FIQKQQQISFVKSFPSRQLEERLGLIEVQAPILSRVGDGTQDNLSGSEKAVQVKVKSLLP
gi   22536630	SFIHQQQEISFVKNTFTQYLIDKLEIVEVQGPILSQVGDGMQDNLSGIEHPVSVKVLNIP
gi   25010567	SFIHQQQEISFVKNTFTQYLIDKLEIVEVQGPILSQVGDGMQDNLSGIEHPVSVKVLNIP
gi   15901793	SFIHQQQEISFVKNTFTQYLKDKLEVVEVQGPILSKVGDGMQDNLSGVENPVSVKVLQIP
gi   15903827	SFIHQQQEISFVKNTFTQYLKDKLEVVEVQGPILSKVGDGMQDNLSGVENPVSVKVLQIP
gi   19746488	SFIHQQQEISFVKNTFTQYLIAKLDVVEVQGPILSRVGDGMQDNLSGTENPVSVNVLKIP
gi   15675438	SFIHQQQEISFVKNTFTQYLIAKLDVVEVQGPILSRVGDGMQDNLSGTENPVSVNVLKIP
gi   16272507	TFILQQQEISFVKNTFTQNLIEQLGIIIEVQGPILSQVGNMGQDNLSGIEKAVQVNVKQIP
gi   15603439	SFILQQQEISFAKNTFTEKLAHLGIVEVQGPILSQVGNMGQDNLSGAEKAVQVNVKQIT
gi   23467425	SFILQQQEISFAKNTFTEKLEHLGIIIEVQGPILSQVGNMGQDNLSGTEKAVQVNVKQIT
gi   15639545	SFILQQQGISFAKHTFTQKLMHGLIEVQGPLLSQVGDGIQDGLSGREKAVSVSVKQIP
gi   30019890	-----QIAIKEVKTFFEDQLAKRLELFRVSAPLFVTKKSGLNDHLNGVERPIEFDMHSG
gi   21399686	-----QIAIKEVKTFFEDQLAKRLELFRVSAPLFVTKKSGLNDHLNGVERPIEFDMHSG
gi   28210498	-----AIKEVKDCFERALAKQLNLIRVSAPLFVRCDKGLNDNLNGVERPVKFTVKDDN
gi   23023030	-----
gi   27887138	-----EIAIKVKKDFPESRLAKELDLLRVSAFLFVIPESGLNDNLNGTERPVSFDTKSGE
gi   19704111	-----EIAIKVKKDFPESHLSKELDLLRVSAFLFVIPESGLNDNLNGTERPVSFDTKSGE
gi   18310960	-----AIKELKDFPESLAKNLNLTRVSAPLFVNKSGSLNDLNGIERPVSFDMKAMP
gi   23003194	-----AIVFIRETFQDKIAEKLNVQMSAPMFVEKSTGLNDNLNGVERPVSFDMKAMP
gi   28377779	-----QQAIRYIRETFQDEFGKQLNLSRLSAPMFVEKKTGLNDNLNGVEKPVSFMTQDMG
gi   1703442	--IAKRKROSATSGKPSSEFGTAMNLERISAPMFVKKSSGLNDNLNGWEKPVSFTHLDGN
gi   29347539	-LKQTELGKIKQIEFFQQLNLSSELRLRRVTAPLFVLKGMGINDDLNGIERPVSFPIKDLG
gi   26553601	SILETQKAIKFIKDLFQVNLAAHLKLRVTAPLVLERNKGINDLNGSENPTFTSDGNG
gi   24762277	-----
gi   13357923	-----QKAIIVEIKNSFQKHFAKNLNLRSVTAPLFVEGQSGLNDHLHDKQKAVSFYAKKLD

gi   QUERY	DAQFEVVHSLAKWKROTGLGOHDFSAGEGLYTHMKALRPDEDRLSPLHSVYVDQWDWERVM
gi   24115047	DAQFEVVHSLAKWKROTGLGOHDFSAGEGLYTHMKALRPDEDRLSPLHSVYVDQWDWERVM
gi   16762449	DAQFEVVHSLAKWKROTGLGOHDFSAGEGLYTHMKALRPDEDRLSPLHSVYVDQWDWERVM
gi   16767161	DAQFEVVHSLAKWKROTGLGOHDFSAGEGLYTHMKALRPDEDRLSPLHSVYVDQWDWERVM
gi   16120356	DSTFEVVHSLAKWKRTLGRTDFGADQGVYTHMKALRPDEDRLSAIHSVYVDQWDWERVM
gi   22536630	EAEFEVVHSLAKWKRTLARFGFNEGEGLFVHMKALRPDEDSLDPTHSVYVDQWDWEKVI
gi   25010567	EAEFEVVHSLAKWKRTLARFGFNEGEGLFVHMKALRPDEDSLDPTHSVYVDQWDWEKVI
gi   15901793	DATYEVVHSLAKWKRTLARFGFGEGEGLFVHMKALRPDEDSLDATHSVYVDQWDWEKVI
gi   15903827	DATYEVVHSLAKWKRTLARFGFGEGEGLFVHMKALRPDEDSLDATHSVYVDQWDWEKVI
gi   19746488	NATFEVVHSLAKWKRTLARFGFNEGEGLVVMKALRPDEDSLDQTHSVYVDQWDWEKVI
gi   15675438	NATFEVVHSLAKWKRTLARFGFNEGEGLVVMKALRPDEDSLDQTHSVYVDQWDWEKVI
gi   16272507	NAVFEVVHSLAKWKRTLARFNFKEDEGLFVHMKALRPDEDSLDPTHSVYVDQWDWEKVI
gi   15603439	DATFEVVHSLAKWKRTLARFNFAQGEGLFVHMTALRPDEDSLDQTHSVYVDQWDWEKVI
gi   23467425	DAKFEVVHSLAKWKRTLARFNFAENEGLFVHMKALRPDEDSLDQTHSVYVDQWDWEKVI
gi   15639545	GTAFEVVHSLAKWKRTLARYGFQDNEGLFVHMIALRPDEDFLDQVRSVCVDQWDWEKVV
gi   30019890	E-ELEIVHSLAKWKRFALHEYGYEAGEGLYTNMNAIRRDEE-LDATHSIYVDQWDWEKIV
gi   21399686	E-ELEIVHSLAKWKRFALHEYGYEAGEGLYTNMNAIRRDEE-LDATHSIYVDQWDWEKIV

Figure 12a



gi   28210498	EEAVEIVHSLAKWKRMALYRYNFNADEGLYTDMNAIRRDEE-LDNTHSIYVDQWDWERII
gi   23023030	-----DMNAIRRDED-LDNLHSIYVDQWDWELVI
gi   27887138	R--VEIVHSLAKWKRMALYRYNIENHKGIIYTDMNAIRRDED-TDFIHSYVDQWDWEKII
gi   19704111	R--VEIVHSLAKWKRMALYRYNIENDKGIYTDMNAIRRDED-TDFIHSYVDQWDWEKII
gi   18310960	EFNIQIVHSLAKWKRLALHRYEFEGHEGLYTDMNAIRRDED-LDNIHSIYVDQWDWEKII
gi   23003194	NDTIEVVHSLAKWKRLALKRYGFGMHEGLYTNMNAIRRDED-LDNFHSIYVDQWDWEKII
gi   28377779	DEQIEIVHSLAKWKRWALKRYGFGMHEGLYTNMNAIRKDED-LDNYHSAYVDQWDWEKVI
gi   1703442	EGELQIVHSLAKWKRWALKHYGFSHGEGFLTNNMNAIRKDEEVLNLSYVDQWDWEKVI
gi   29347539	DAQAEVVHSLAKWKRLTLADYNIEPGYGIYTDMNAIRSDEE-LGNLHSLYVDQWDWERVERI
gi   26553601	IS-GEIPQSLAKWKRMMLGKYEIPLHEGIYADMNAIRKDES-LSSIHSIYVDQWDWELHI
gi   24762277	-----
gi   13357923	KT-LEIVQSLAKWKRLALLDYGFSLYEGLYTDMNAIRADDD-IDEIHSIYVDQWDWEILI

gi   QUERY	GDGERQFSTLKSTVEAIWAGIKATEAAVSEEF--LAPFLPDQIHVHSQELLSRYPDLD
gi   24115047	GDGERQLSTLKSTVEAIWAGIKATEAAVNEEF--LAPFLPDQIHVHSQELLSRYPDLD
gi   16762449	GDGERQFSTLKSTVEAIWAGIKATEAEVHKQFG--LAPFLPDQIHVHSQELLSRYPDLD
gi   16767161	GDGERQFSTLKSTVEAIWAGIKATEAEVHKQFG--LAPFLPEQIQFVHSQELLSRYPDLD
gi   16120356	GDGERNLAYLKSTVNKIYAAIKETEAAISAEFG--VKPFLPDHIOFIHSESLRARFPDLD
gi   22536630	PDGRRNLXYLKSTVEKIYKAIKRLTELAVEARFD--IESILPKRITFIHTEELVEKYPDLS
gi   25010567	PDGRRNLXYLKSTVEKIYKAIKRLTELAVEARFD--IESILPKRITFIHTEELVEKYPDLS
gi   15901793	PNGKRNIVYLKETVEKIYKAIKRLTELAVEARYD--IESILPKQITFIHTEELVERYPDLT
gi   15903827	PNGKRNIVYLKETVEKIYKAIKRLTELAVEARYD--IESILPKQITFIHTEELVERYPDLT
gi   19746488	PDGKRNILAYLKSTVEKIYKAIKRLTELAVEARYD--IEAVLPKKITFIHTEELVAKYPDLT
gi   15675438	PDGKRNILAYLKSTVEKIYKAIKRLTELAVEARYD--IEAVLPKKITFIHTEELVAKYPDLT
gi   16272507	PEGRRNFAYLKSTVNSIYRAIRLTELAVEARFD--IPSILPKQITFVHSEDLVKRYPDLS
gi   15603439	SAEQRNILAYLKSTVRAIYAAILETEEAVSKKFG--LATFLPKDIOFVHSEELVQRFPMN
gi   23467425	PTGRRNLAYLKSTVRSIYQALILETEDAVHKQFG--LSKFLPREITFIHSEELVQRYPELN
gi   15639545	PVGSRNILAYLKSTVRKIVYQALILETEDAVHKQFG--LRAFLPADIVFVQSEELVRRYPHLD
gi   30019890	QKEWRTVEYLQKTQVQTIYGIKDLHDLFEKYPF--LGKYLPEEIVFVTSQELEDKYPELT
gi   21399686	QKEWRTVDYLOKTQVQTIYGIKDLHDLFEKYPF--LGKYLPEEIVFVTSQELEDKYPELT
gi   28210498	KKEDRNEEYLKDIVRKIFKAFKETSEHINKLYPF--LGEVLPPEEVFFMTTQELEDMPDILT
gi   23023030	NKEDRNEETLKNIVKKIYNVKKTEDFIAEQYPQ--IPKFLPEDIFFITTTQELEDMPPELS
gi   27887138	SKEDRNEEYLKETVRKIYCVFKETEYITTEYPK--LTKKLPEEITFITTSQELENKYPNLT
gi   19704111	SKEDRNEEYLKDVVRKIYSVFKKTEYITTEYPK--LTKKLPEEITFITTAQELENKYPNLT
gi   18310960	DKEERNLETTLKETVKSIIYGTFKATEDFIVAKYPH--IEKILPEDITFITTSQELEDMPDILT
gi   23003194	SKDERNIDTLKDTVKQIFKAIKETEKEVAARYPS--STYRLPNEITFITTTQELEDMPDILT
gi   28377779	SKEERTVETLKAARQIFKVIKMEHEVWYKFPQ--AVHHLPEEISFVTSEELEARWPSLT
gi   1703442	DKSERTEATLRQTQVQRIKETIKGMEYHVRALYPQ--AAYHLPEEISFVTSEELEARWPSLT
gi   29347539	TNEDRNVEFLKEIVNRIYAAMIRTEYMYEMYPQ--IKPCLPQKLHFIHSEELRQLYPNLE
gi   26553601	KKTERNLETTLKVVVKKIYEIIRLCQKEVNKKYEWFAENLLPEEITFISSEDLQRYPNKT
gi   24762277	-----
gi   13357923	NNQDCNLDLKSIVNKIYSTIRIVQLEIDQLYN--PKQIILPDSITFISSEDLQRYPNKT

gi   QUERY	AKGRERAIKDLGAVFLVGIGGKLS-DGHRHDVRAVDYDDWSTPSELGHAGLNGDILVWN
gi   24115047	AKGRERAIKDLGAVFLVGIGGKLS-DGHRHDVRAVDYDDWSTPSELGHAGLNGDILVWN
gi   16762449	AKGRERAIKELGAVFLVGIGGKLS-DGRRHDVRAVDYDDWSSASELGYAGLNGDILVWN
gi   16767161	AKGRERAIKELGAVFLVGIGGKLS-DGRRHDVRAVDYDDWSSASELGYAGLNGDILVWN
gi   16120356	AKGRERAIKELGAVFLIGIGGKLA-DGQSHDVRAVDYDDWSTPSAEGFSGLNGDILVWN
gi   22536630	PKERENAIKEYGAVFLIGIGGELA-DGKPHDGRAPDYDDWTTSENGFKGLNGDILVWN

Figure 12b

gi	25010567	PKERENAIKEYGAVFLIGIGGELA-DGKPHDGRAPDYDDWTTTPSENGFKGLNGDILVWN
gi	15901793	PKERENAIKKEFGAVFLIGIGGELP-DGKPHDGRAPDYDDWTSESENGYKGLNGDILVWN
gi	15903827	SKERENAIKKEFGAVFLIGIGGELP-DGKPHDGRAPDYDDWTSESENGYKGLNGDILVWN
gi	19746488	PKERENAITKEFGAVFLIGIGGVLP-DGKPHDGRAPDYDDWTTETENGYHGLNGDILVWN
gi	15675438	PKERENAITKEFGAVFLIGIGGVLP-DGKPHDGRAPDYDDWTTETENGYHGLNGDILVWN
gi	16272507	SKERENAIKEYGAVFLIGIGGKLS-DGKPHDGRAPDYDDWTTESENGYKGLNGDILVWN
gi	15603439	DKERENAIKEYGAVFLIGIGGKLS-DGKPHDV RAPDYDDWTTTPSEGEYKGLNGDILVWN
gi	23467425	DKORENAIKEYGAVFLIGIGGVLS-DGKPHDKRAPDYDDWTTTPSEGEYLGLNGDILVWN
gi	15639545	SKGREDAICKEHGAVFLIGIGGVLS-DGKPHDV RAPDYDDWTTTPSEGEYKGLNGDILVWN
gi	30019890	PKDREHAIKEHGAVFIIGIGDALR-SGEKHDGRAADYDDWK-----LNGDILFWH
gi	21399686	PKDREHAIKEHGAVFIIGIGDALR-SGEKHDGRAADYDDWK-----LNGDILFWH
gi	28210498	AKEREDAITKEKKAVFLMKIGKLE-SGEKHDGRAPDYDDWE-----LNGDILFWN
gi	23023030	PKEREDAIKEKKAIIFLMKIGGVLK-SGKKHDGRAPDYDDWT-----LNGDIILWY
gi	27887138	PKNREHAAKEYGAIFLMKIGGKLS-SGEKHDGRAPDYDDWD-----LNGDIIFNY
gi	19704111	PKNREHAAKEYGAIFLMKIGGKLS-SGEKHDGRAPDYDDWD-----LNGDIIFNY
gi	18310960	SKERETAICKEFGAVFIIGIGGKLA-SGEKHDDRSPDYDDWT-----LNGDLLFFY
gi	23003194	PDEREDKIAKEKKAVFLMKIGDKLKRSGKPHDGRAPDYDDWQ-----LNGDLLFWY
gi	28377779	PRERENAI CKKLGCVFLMQIGWKLD-SGERHDGRAPDYDDWK-----LNGDILFWY
gi	1703442	P SEREDKICQEKGA VLEHIGGALPLSKKPHDLRAPDYDDWT-----LNGDLLFWY
gi	29347539	PKCREHAICQYGA VFIIGIGCKLS-DGKKHDGRAPDYDDYTSTGLNNLPGLNGDLLLWD
gi	26553601	PKERERLIASKYKAVFIIGIGDNLS-DGKPHDLRAPDYDDWK-----LNGDIIVWN
gi	24762277	-----
gi	13357923	PSREYEFAKIHKAIFIYQIGYPLK-SGYIQSIRSPEYDNWN-----LNGDLIVXH
gi	QUERY	
gi	24115047	PVLEDAFELSSMGIRVDADTLKHQLALTGD-EDRLELEWHQALLRGEMPQTIGGGIGQSR
gi	16762449	PVLEDAFELSSMGIRVDADTLKHQLALTGD-EDRLQLEWHQALLRGEMPQTIGGGIGQSR
gi	16767161	PVLEDAFELSSMGIRVDADTLMRQLALTGD-EDRLQLEWHQALLRGEMPQTIGGGIGQSR
gi	16120356	PILEDAFEISSMGIRVDAEALKRQVLTGD-EDRLELEWHQALLRGEMPQTIGGGIGQSR
gi	22536630	EQLGTAFELSSMGIRVDEDAKLRQVLTGD-EDRLEFEWHKTLRLRGFFPLTIGGGIGQSR
gi	25010567	EQLGTAFELSSMGIRVDEDAKLRQVLTGD-EGRLEFEWHKTLRLRGFFPLTIGGGIGQSR
gi	15901793	ESLGGAFELSSMGIRVDEETLRROVEITGD-EDRLELEWHKSLNGLFPLTIGGGIGQSR
gi	15903827	ESLGGAFELSSMGIRVDEETLRROVEITGD-EDRLELEWHKSLNGLFPLTIGGGIGQSR
gi	19746488	DQLGS AFELSSMGIRVDEEALKRQVEMTGD-QDRLAFDWHKSLNGLFPLTIGGGIGQSR
gi	15675438	DQLGS AFELSSMGIRVDEEALKRQVEMTGD-QDRLGFDWHKSLNGLFPLTIGGGIGQSR
gi	16272507	DQLGKAFELSSMGIRVDESALRLQVGLTGD-EDHLKMDWHQDLLNGLPLTIGGGIGQSR
gi	15603439	PILERAFAELSSMGIRVDETALRKQLALTGD-EDRLKFDWHQDLVNGRLPLSIGGGIGRSR
gi	23467425	PVLERAFEVSSMGIRVDEGALRTQLALTGD-EDSLACSWHQDLVNGRLPLSIGGGIGQSR
gi	15639545	PVLQSSFELSSMGIRVDSKSLDEQLTKTGE-DPKREYDPHKGILEDVLPPLTIGGGIGQSR
gi	30019890	PVLQSSFELSSMGIRVDSKSLDEQLTKTGE-DPKREYDPHKGILEDVLPPLTIGGGIGQSR
gi	21399686	PVLQSSFELSSMGIRVDSKSLDEQLTKTGE-DPKREYDPHKGILEDVLPPLTIGGGIGQSR
gi	28210498	PVLNKAFAELSSMGIRVDEESLLKQLKLANC-EERKELQPHKMLLEKKLPYTIGGGIGQSR
gi	23023030	PLLERSFEISSMGIRVDENSLLSQ-----
gi	27887138	PLLGIGLELSSMGIRVDEKSLDEQLKIANC-EDRRSLPYHQMILNKVLPYTIGGGIGQSR
gi	19704111	PLLGIGLELSSMGIRVDEKSLDEQLKIANC-EDRRSLPYHQMILNKVLPYTIGGGIGQSR
gi	18310960	PLFDEA VELSSMGIRVDEESLLKQLKIAEC-EERKELPFHQMLLEGKLPYTIGGGIGQSR
gi	23003194	EPLQRKLEISSMGIRVSEESLKTQLKKAHA-EERAALPFHKMLLNGELPYTIGGGIGQSR
gi	28377779	EPLDQAIEISSMGIRVDAESMKKQLKD VDA-EDRLSLPYHQMILNADVPYTIGGGIGQSR

Figure 12c

BEST AVAILABLE COPY

gi 1703442	EPLQRAFEVSSMSIRVDEDRLOEQKLKLAGA-EDRLDLPFHOALLKGDLPYSIGGGIGQSR
gi 29347539	DVLQRSIELSSMGVRVDREALQROLKEENE-EERLKLYPHKRLMDDTLPLSIGGGIGQSR
gi 26553601	ETTKSALELSSMGIRVDEVSLVEQLDKSNN-NSRKELDFHKKLINKFPPYSIGGGIGQSR
gi 24762277	-----IRVNKEVLLKQLEESKQ-NERLELMFHKKLVNGELHQTIGGGIGQSR
gi 13357923	KLNDQATELSSMGIRVSKQDFIKQTNFANLKNQENNFYHQMILNNQLPOTIGGGIGQSR
gi QUERY	LTMLLLQLPHIGVQVQAGVWPAAVRESVPSLL
gi 24115047	LTMLLLQLPHIGVQVQCGVWPAAVRESVPSLL
gi 16762449	LTMLLLQLPHIGVQVQCGVWPAQVRESIPAIL
gi 16767161	LTMLLLQLPHIGVQVQCGVWPAQVRESIPAIL
gi 16120356	LVMLLLQKOHIGVQVQCGVWGPEISEKVDGLL
gi 22536630	LAMFLLRKKHIGEVQSSVWPKEVRDTFENIL
gi 25010567	LAMFLLRKKHIGEVQSSVWPKEVRDTFENIL
gi 15901793	MAMFLLRKRHIGEVQTSVWPQEVDRDTYENIL
gi 15903827	MAMFLLRKRHIGEVQTSVWPQEVDRDTYENIL
gi 19746488	MVMFLLRKKHIGEVQTSVWPQEVDRDSYDNIL
gi 15675438	MVMFLLRKHIGEVQTSVWPQEVDRDSYDNIL
gi 16272507	LAMLLLRKKHIGEVQSSVWPKEMLEEFSNIL
gi 15603439	LVMLLLQKKHIGEVQSSVWPKEVMEQFDNIL
gi 23467425	LAMLLLQKKHIGEVQSSVWPKEVTEQFENIL
gi 15639545	LAMLLLQKKHIGEVQASVWPVRSVREEFENIL
gi 30019890	MCMYFLRKAHIGEVQSSVWPDDLREAC----
gi 21399686	MCMYFLRKAHIGEVQSSVWPDDLREAC----
gi 28210498	MCMLFLKKAHIGEVQSSIWPPEMIKFCEE--
gi 23023030	-----
gi 27887138	ICMFFLDKLHIGEVQASIWSQEVHEIC----
gi 19704111	ICMFFLDKLHIGEVQASIWSQEVHEIC----
gi 18310960	ICMFFLRKAHIGEVQASMWDEDMIRTCEE--
gi 23003194	LCMLLLGKAHIGEVQASIWPPEMKIEECE---
gi 28377779	LCMLLLGKAHVGEVQAALW-----
gi 1703442	LCMLLLQGPH-GEVQASIWPDEIVEKCO---
gi 29347539	LCMFYLRKAHIGEIQASIWPEDMRKECEEL-
gi 26553601	LCYFLLHKQHIGEVQSSLWPKDILEEAE---
gi 24762277	LCYFLLQKDHIGEVQASHWSDEIVAE----
gi 13357923	LCMFLLNKKHIGEVQSVWPNEYKDEL----

Figure 12d

AVANCE COPY

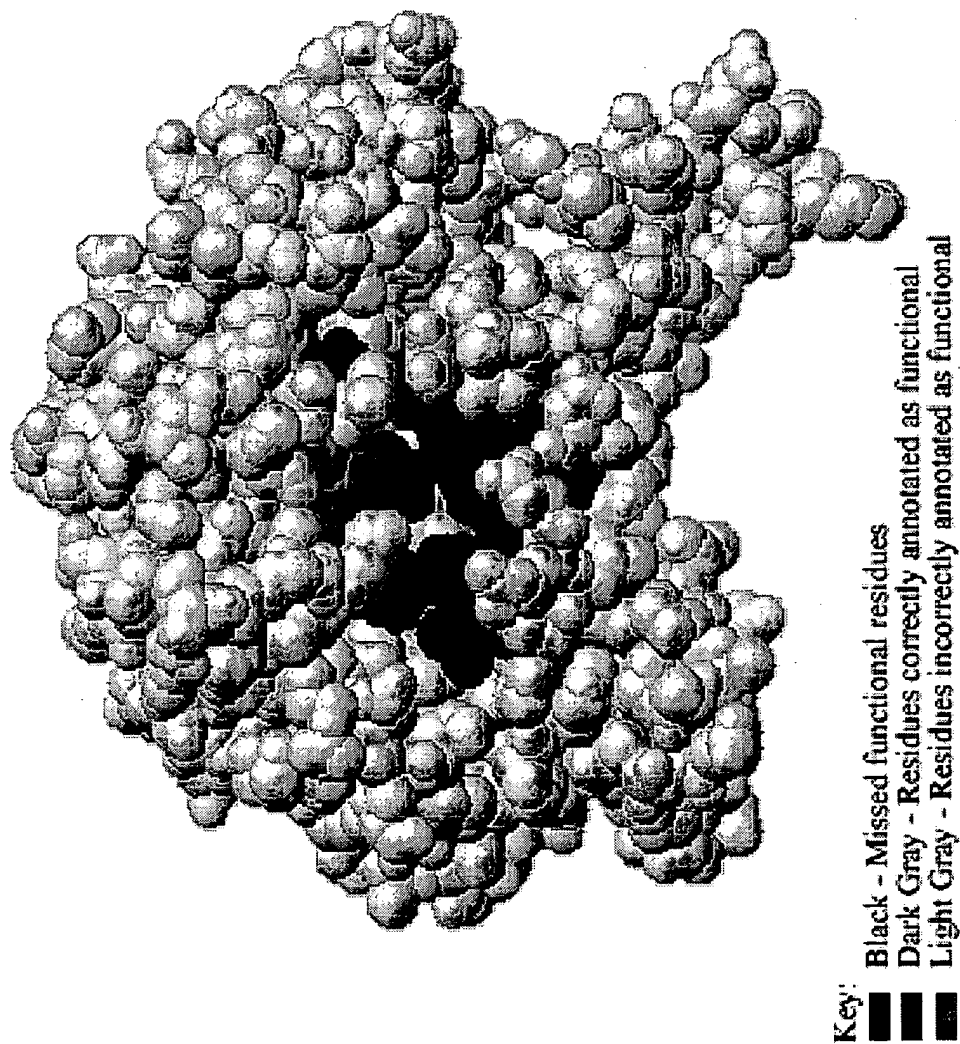


Figure 13

NOT AVAILABLE COPY

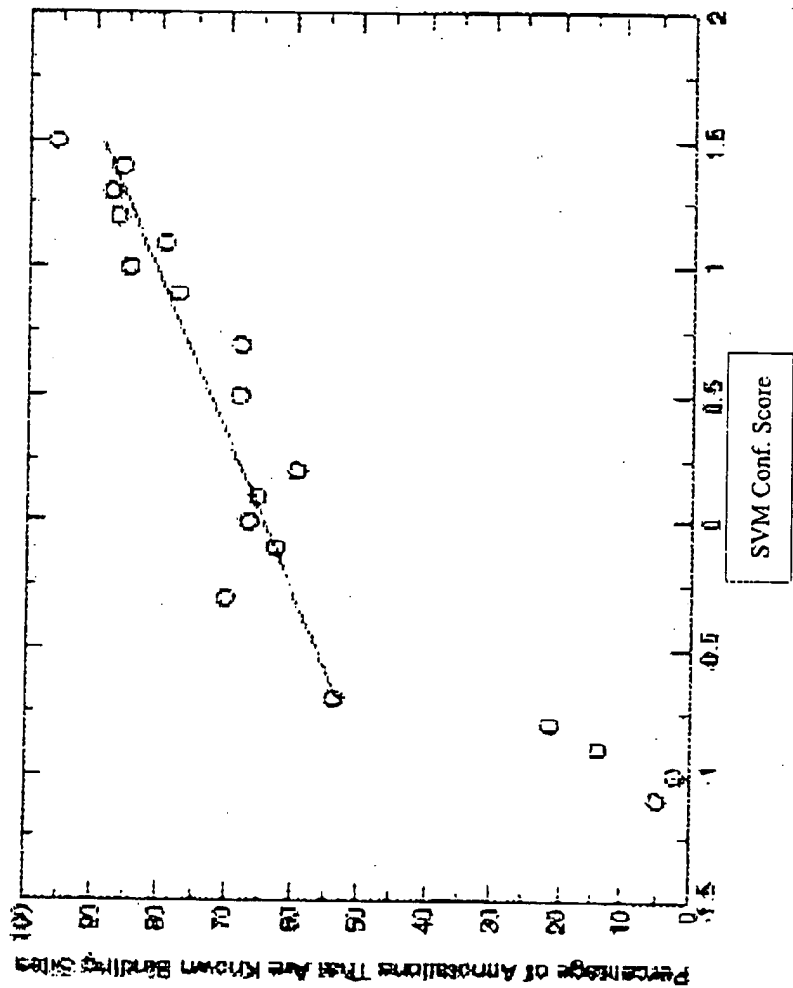


Figure 14

BEST AVAILABLE COPY

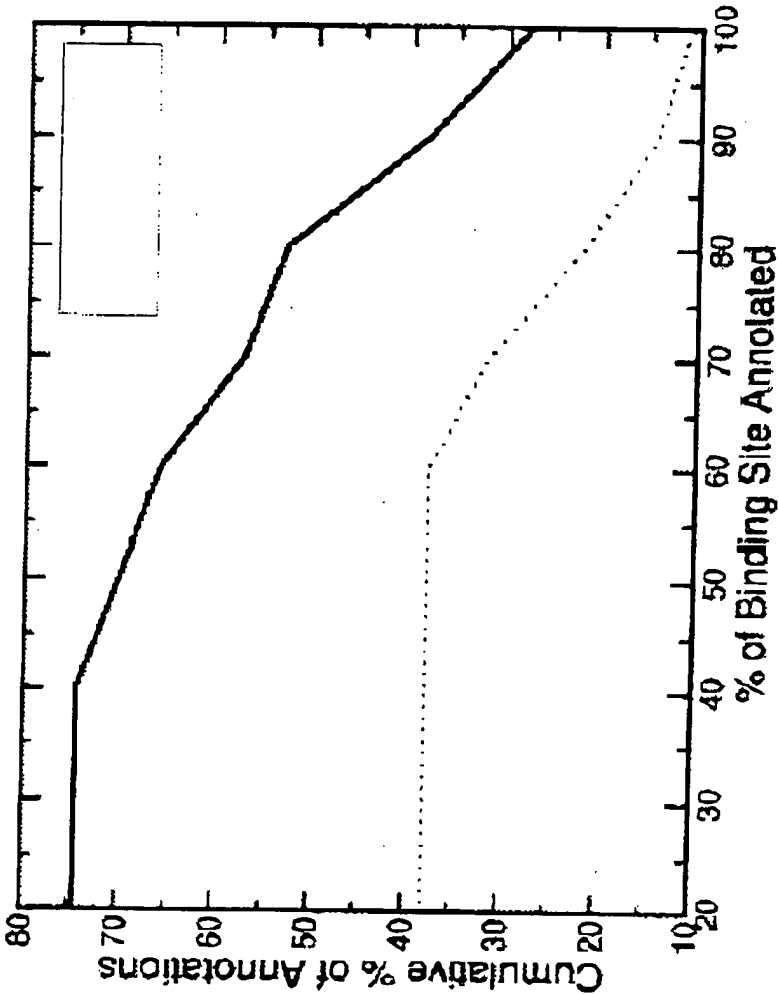


Figure 15

BEST AVAILABLE COPY

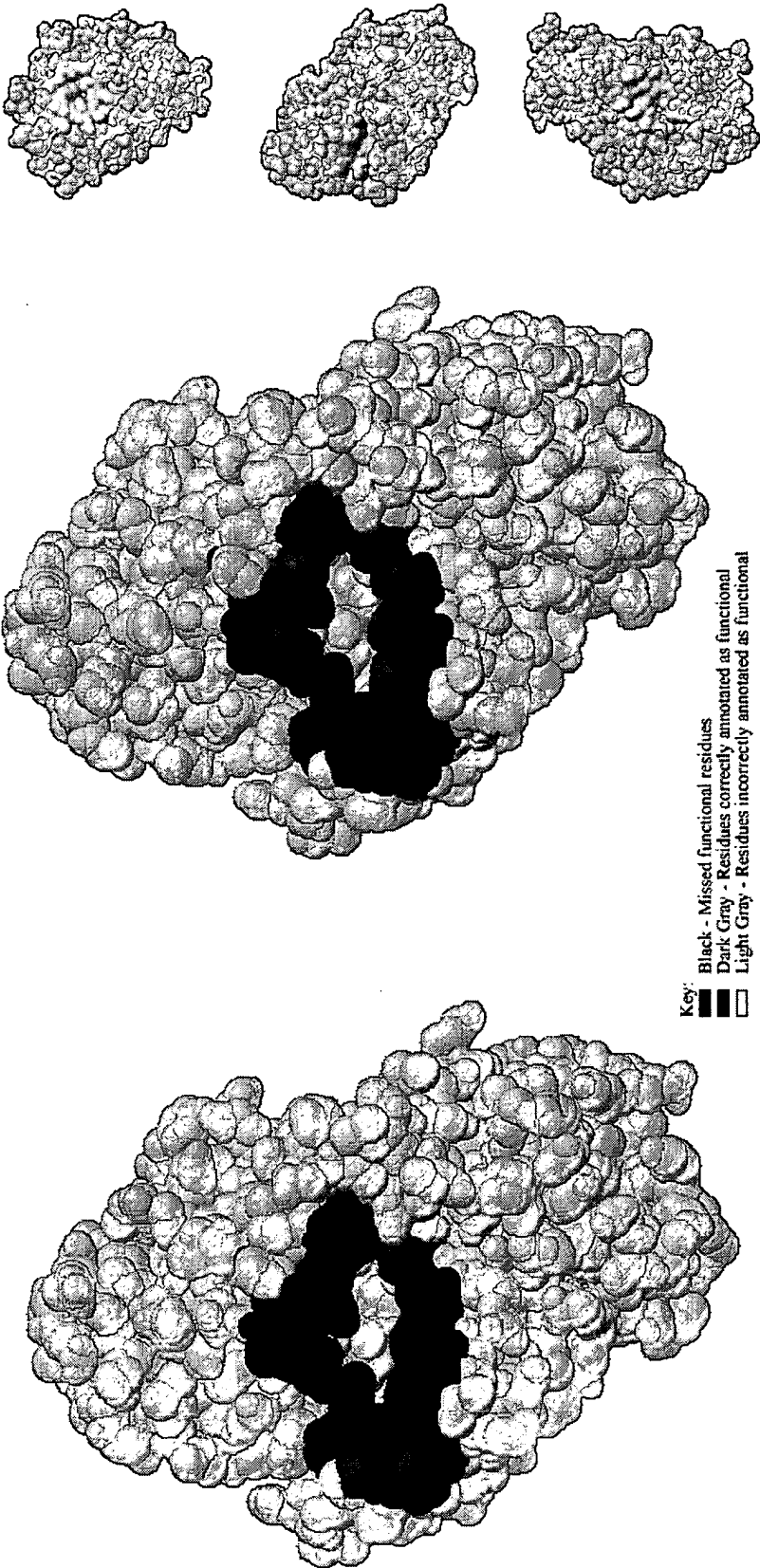


Figure 16

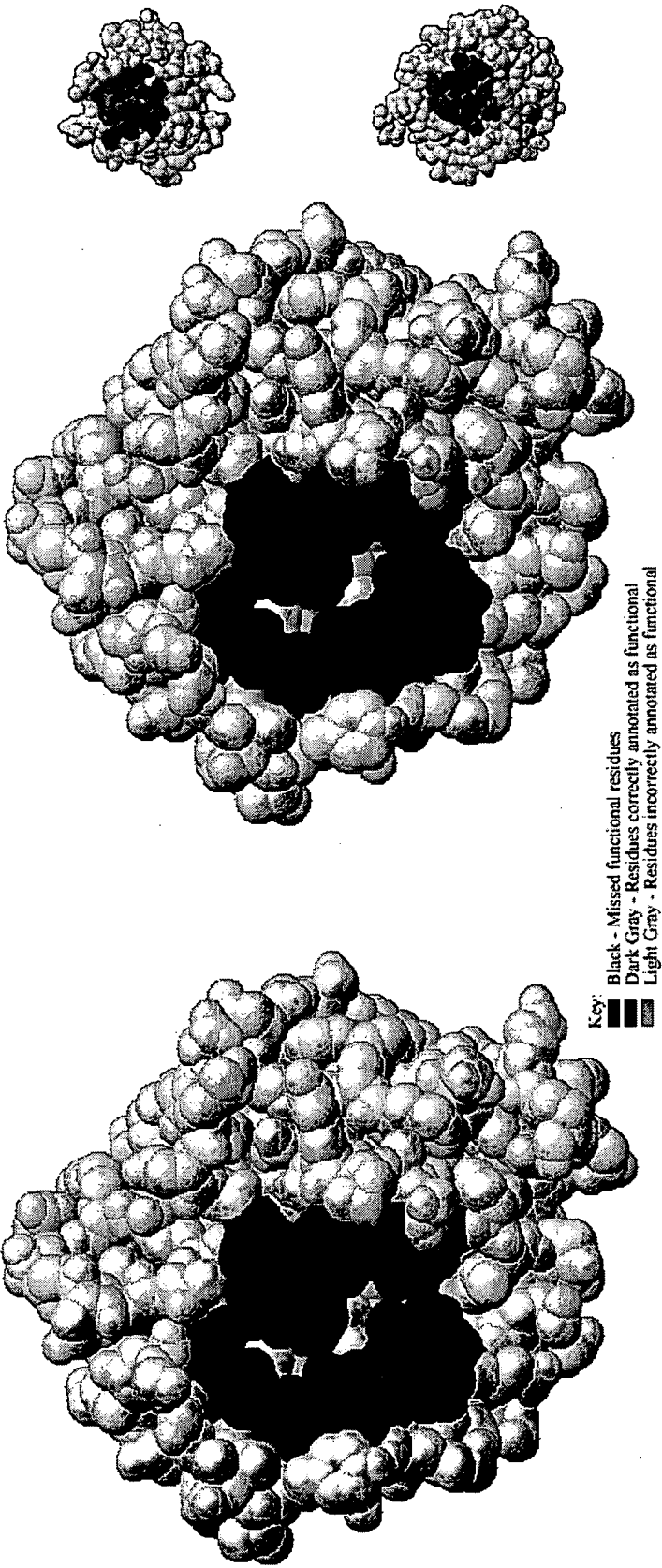


Figure 17

NOT AVAILABLE COPY



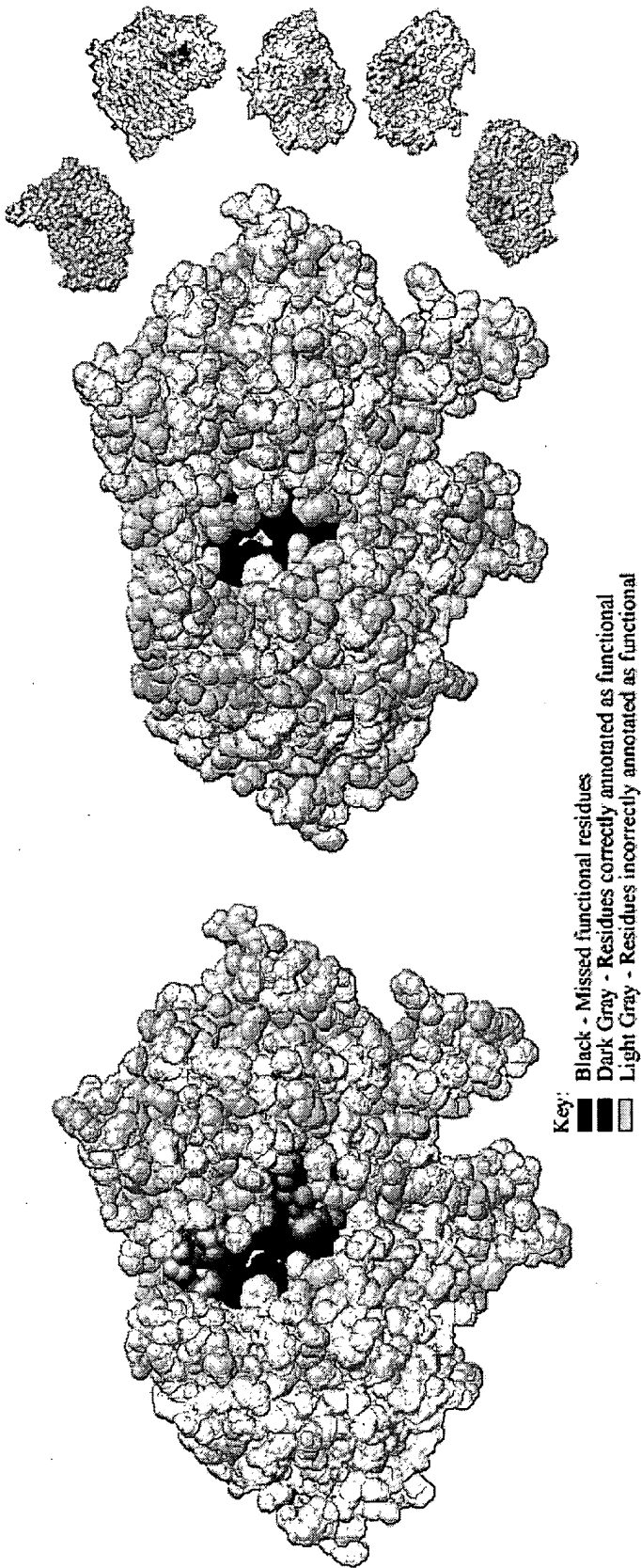


Figure 18

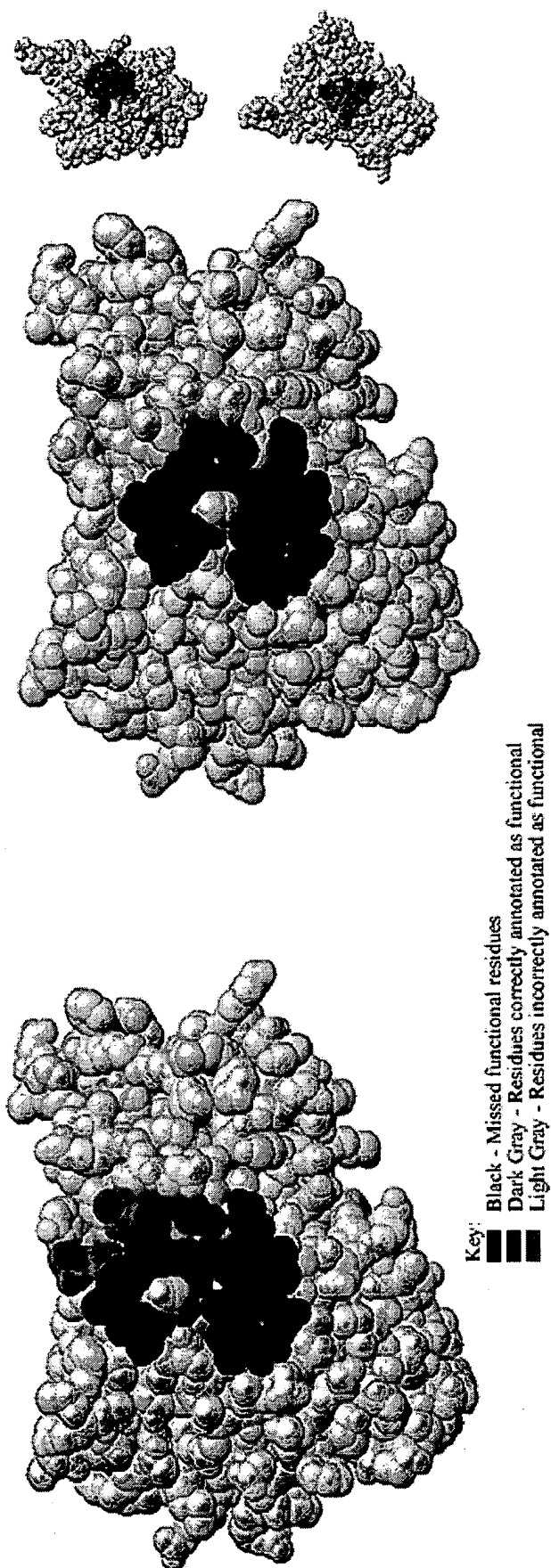


Figure 19

BEST AVAILABLE COPY

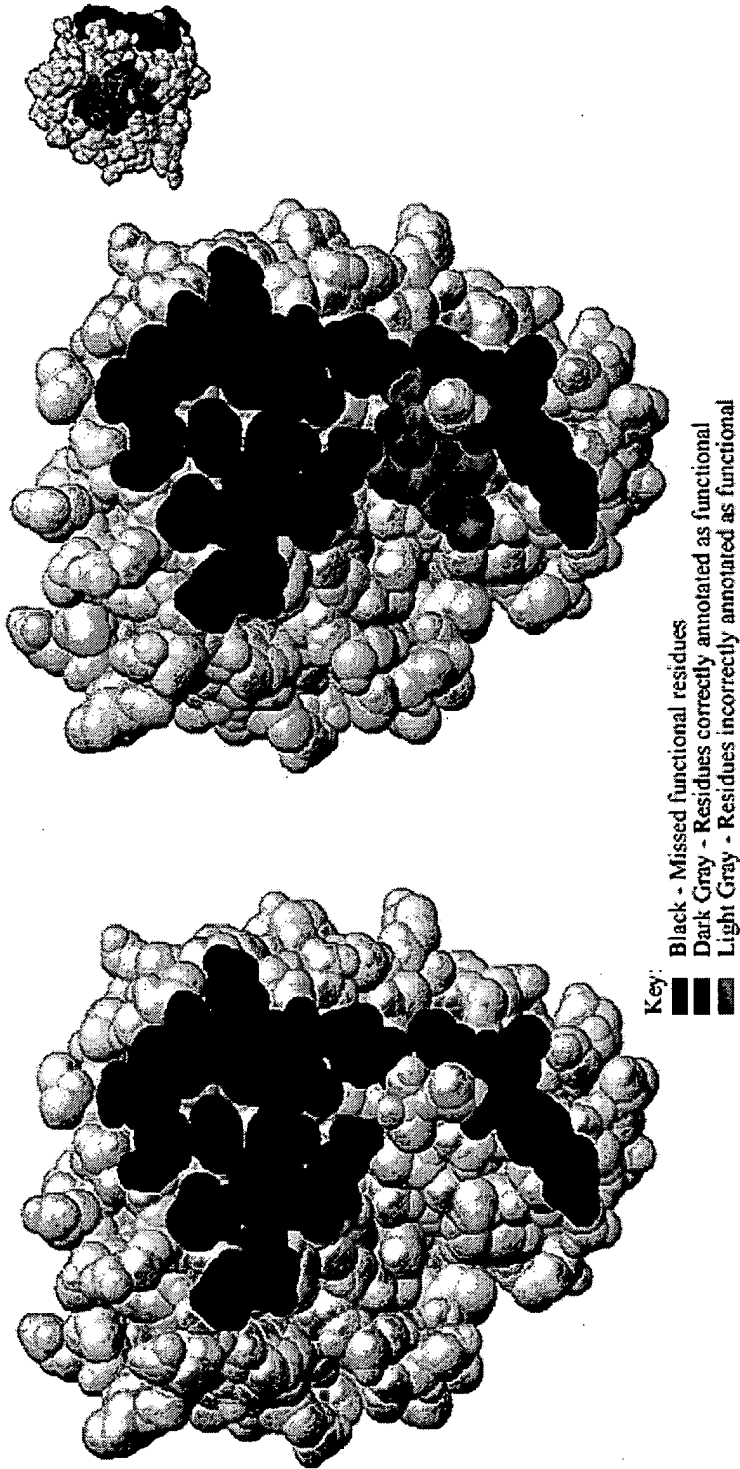


Figure 20

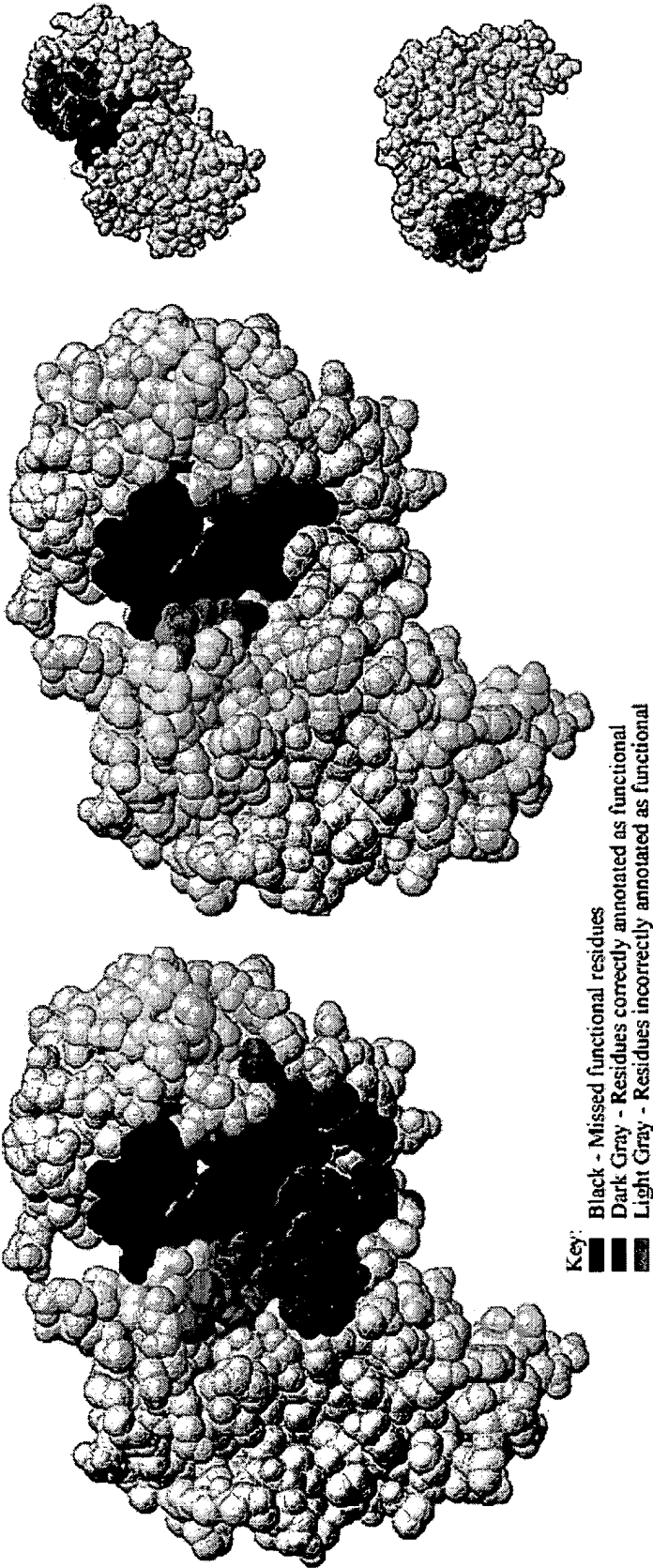


Figure 21

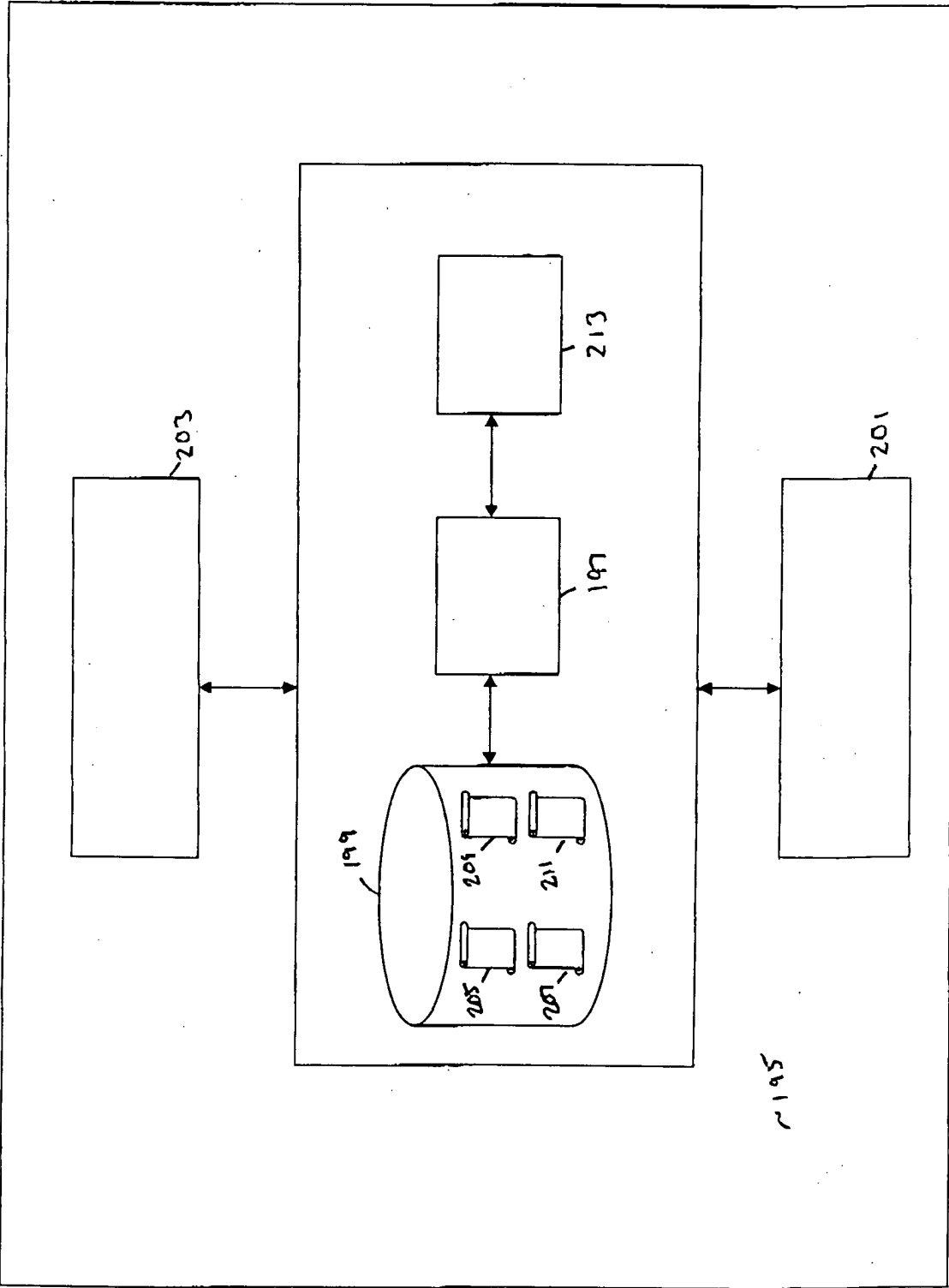


Figure 22